

Utility Maintenance Mechanic - 2631

Primary Reason Why Classification Exists

To perform skilled mechanical and electrical work maintaining and repairing machinery and equipment in Public Works & Utilities Department

Essential Duties

- Monitors SCADA (Supervisory Control and Data Acquisition) computer operations and reports events at substations and transformers; receives status messages and triggers system for operation
- Operates generators in all modes; maintains logs and database records
- Performs preventative maintenance and repairs or replaces, various pumps, engines, electric motors, SCADA systems, and related equipment including bearings, shafts, sleeves, and or other parts; orders necessary parts and supplies
- Makes periodic inspections of equipment to ensure proper functioning; diagnoses problems and schedules necessary repairs
- Coordinates facility maintenance with Public Works & Utilities Department
- Operates the municipal machine shop including welding equipment
- Cleans and paints municipal equipment
- Performs repair and maintenance work for other divisions and departments as directed
- Responds to emergencies when required and subject to call back
- Performs related tasks as required

Knowledge, Skills, and Abilities:

- Thorough knowledge of standard practices, methods, and usage of hand, bench, and machine tools and materials of the electrical and mechanical trades
- Thorough knowledge of the occupational hazards connected with general maintenance operations
- Knowledge of common hand and specialized tools required in maintenance work
- Knowledge of the safe use and preventive maintenance of electrical and mechanical equipment required in the work
- Knowledge of SCADA systems technology and the uses in municipal operations
- Ability to perform manual labor for extended periods; ability to follow instructions
- Ability to follow and implement safety precautions
- Ability to work from sketches and to understand and carry out oral and written instructions
- Ability to establish and maintain effective working relationships with coworkers
- Ability to use computer analytical equipment; ability to use and make repairs and adjustments to SCADA systems technology in various mechanical and electrical operations
- Ability to follow instructions provided by crew leader and/or supervisor
- Ability to work safely, efficiently, and within a scheduled period of time
- Skill in the use and care of bench and hand tools, machines, and equipment

Physical Requirements

This is very heavy work requiring exertion in excess of 100 pounds of force occasionally, in excess of 50 pounds of force frequently, and in excess of 20 pounds of force constantly to move

objects. Work requires climbing, balancing, stooping, kneeling, crouching, crawling, reaching, standing, walking, pushing, pulling, lifting, fingering, grasping, feeling, and repetitive motions. Vocal communication is required to convey detailed or important instructions to others accurately, loudly, or quickly. Hearing is required to receive oral communications and/or to make fine distinctions in sound. Visual acuity is required for inspection of small defects and/or small parts, use of measuring devices, assembly or fabrication of parts at or within arms' length, and operation of machines

Working Conditions

Work is performed in both inside and outside in varied environmental conditions, including extreme heat (above 100 deg F) and extreme cold (below 32 deg F). Employee is subject to noise, vibration, and hazards, including a variety of physical conditions such as proximity to moving mechanical parts, fan belts on motors, high voltage electrical current, exposure to chemicals, and atmospheric conditions. Employee is exposed to oils and greases. Employee may work frequently in close quarters, crawl space, shafts, man holes, small enclosed rooms, and other areas which could cause claustrophobia

Education and Experience

Graduation from high school or GED equivalency and 5 - 7 years experience in heavy utility maintenance work. An Associate's degree in mechanical or electrical maintenance technology or related field is desired

Special Requirement

- Valid North Carolina driver's license
- First aid and CPR certification
- Licensed as an electrician, plumber, or HVAC mechanic is desired
- Certified in the installation and maintenance of SCADA systems is desired

FLSA Status: Nonexempt (eligible for overtime or equivalent compensatory time at 1½ times the employee's regular weekly rate for all hours worked in excess of 40 hours in the City's official work week and not the employee's work schedule)

Disclaimer

This classification specification has been designed to indicate the general nature and level of work performed by employees within this classification. It is not designed to contain or be interpreted as a comprehensive inventory of all duties, responsibilities, and qualifications required of employees to perform the job. The Physical Requirements and Working Conditions section of this classification may vary from position to position and a more thorough description of these elements can be found in the employee's Position Analysis Questionnaire (PAQ). The employer reserves the right to assign or otherwise modify the duties assigned to this classification.